

Title (en)

EXTERNAL ELECTRICAL CONNECTORS FOR SOLAR MODULES

Title (de)

EXTERNE ELEKTRISCHE STECKVERBINDER FÜR SOLARMODULE

Title (fr)

CONNECTEURS ÉLECTRIQUES EXTERNES POUR MODULES SOLAIRES

Publication

EP 2449631 A4 20121128 (EN)

Application

EP 10794649 A 20100629

Priority

- US 2010040426 W 20100629
- US 22201209 P 20090630
- US 23816409 P 20090830
- US 68427810 A 20100108

Abstract (en)

[origin: US2010326498A1] Provided are low profile, water-resistant and touch safe safe electrical connectors for solar modules. According to various embodiments, the electrical connectors include a low-profile conductive stud, a low-profile sheath that surrounds the stud, and a socket to mate with the stud. According to various embodiments, the sheath and socket mate via keyed inter-engageable features. Also according to certain embodiments, the socket is fastened to the stud and/or sheath via snap fastening.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [Y] EP 0951099 A2 19991020 - SUMITOMO WIRING SYSTEMS [JP]
- [Y] EP 0858128 A2 19980812 - PFISTERER ELEKTROTECH KARL [DE]
- [A] US 5513075 A 19960430 - CAPPER HARRY M [US], et al
- See references of WO 2011002786A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2010326498 A1 20101230; **US 7963802 B2 20110621**; EP 2449631 A2 20120509; EP 2449631 A4 20121128; US 2011277811 A1 20111117; US 2012129401 A1 20120524; US 8123565 B2 20120228; WO 2011002786 A2 20110106; WO 2011002786 A3 20110331

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US 68427810 A 20100108; EP 10794649 A 20100629; US 2010040426 W 20100629; US 201113104885 A 20110510; US 201213362727 A 20120131